From: Bonifacino, Gina

To: Adams, Angela; Chang, Lisa; Marshalonis, Dino; Rylko, Michael; Whitaker, Melissa; Zachmann, Bill; Castner,

Chris; Richter, Randy

Subject: FW: Final Report on Toxics in Juvenile Chinook salmon

**Date:** Monday, October 5, 2015 2:33:48 PM

Attachments: Toxic contaminants in juvenile Chinook salmon FINAL REPORT October 2015 SUBMITTED.pdf

FYI

## Gina Bonifacino | Acting Program Manager Puget Sound Team

US EPA Region 10 Mail Stop OWW-193 1200 Sixth Avenue Seattle, WA 98101 206.553.2970

From: O Neill, Sandra M (DFW) [mailto:Sandra.ONeill@dfw.wa.gov]

**Sent:** Sunday, October 04, 2015 9:47 AM

To: Nelson, Blake (ECY)

**Cc:** Lester, Deborah (Deborah.Lester@kingcounty.gov); dnor461@ecy.wa.gov; West, James E (DFW); Thomas P. Quinn; Carey, Andrea J (DFW); lyndal.l.johnson@noaa.gov; Lanksbury, Jennifer A (DFW); Gina Ylitalo - NOAA Federal; Niewolny, Laurie A (DFW); Bonifacino, Gina

**Subject:** RE: Final Report on Toxics in Juvenile Chinook salmon

Hi All,

After I sent the report, one of the coauthors discovered that the pdf version that I sent did not match the Word version of the report. Several of the tables and figures were not formatted correctly when the pdf was created. Attached is the newly reformatted report, however, the shading on Figure 13 still isn't correct. We are not sure what the problem is but we are working on it. As soon as we fix Figure 13, I will send the corrected FINAL report. Sorry for any inconvenience that this may have cause you.

## Sandie

From: O Neill, Sandra M (DFW)

Sent: Thursday, October 01, 2015 7:34 PM

To: Nelson, Blake (ECY)

**Cc:** Lester, Deborah (<u>Deborah.Lester@kingcounty.gov</u>); Norton, Dale (ECY); West, James E (DFW); Thomas P. Quinn; Carey, Andrea J (DFW); Lyndal Johnson - NOAA Federal (<u>lyndal.l.johnson@noaa.gov</u>); Lanksbury, Jennifer A (DFW); Gina Ylitalo - NOAA Federal; Niewolny, Laurie A (DFW)

**Subject:** Final Report on Toxics in Juvenile Chinook salmon

Blake,

Attached is our final report on toxics contaminants in juvenile salmon (Grant Agreement G1300083). Thank you to Ecology and EPA for funding this research. The funding for this project allowed us to complete the first ever synoptic Puget-Sound-scale sampling of contaminant exposure in juvenile Chinook salmon. The results were quite interesting, indicating that almost a third of the Puget Sound Chinook salmon are exposed to at least one toxic contaminant that may impair their health and their overall marine survival, a sobering finding that has gotten the attention of many of the salmon biologists in the region.

I also want to acknowledge the excellent reviews on the draft version of this report that we received from Dale Norton (Ecology), Deborah Lester (King County), and Tom Quinn (UW). There comments greatly improved the quality of the final report.

The submission of the chemistry data to the EIM database is pending, and should be completed shortly. Our agency was able to secure additional funds to create an ongoing monitoring program for toxics in juvenile salmon. We are in the process of finalizing the sampling design and will share with you the final design once it is finalized.

Please contact me if you have any question.

Cheers,
Sandie
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